WUNDERLICH
ARCHITECTURAL
TERRA COTTA

TERRA COTTA IN FOUR CITIES
BULLETIN T.C.4

WUNDERLICH ARCHITECTURAL TERRA COTTA

Terra Cotta in Four Cities

Bulletin T.C.4

WUNDERLICH LIMITED

HEAD OFFICE: . . . . . Corner of Baptist and Cleveland Streets, REDFERN, SYDNEY

ARCHITECTURAL TERRA COTTA WORKS: ROSEHILL (Sydney), and SUNSHINE (Melbourne)

Showrooms:

SYDNEY	STH. MELBOURNE	ADELAIDE	BRISBANE
Baptist Street, Redfern	Hanna St. (near Sturt St.)	Grote & Morphett Streets	Amelia Street, Valley
PERTH	HOBART	LAUNCESTON	NEWCASTLE
Lord and Short Streets	139 Macquarie Street	71 St. John Street	King Street

Department of Works and Railways, Architects. *G. Hogden, Contractor.*

Government Post Office, William Street, Sydney

Wunderlich Terra Cotta, having a sand finish covered with glaze, provides the "facing" to this building. The general colour scheme is cream, but a light brown is introduced into the incised lettering of the name panels above the doorway.

WUNDERLICH TERRA COTTA

BULLETIN T.C.4 JULY, 1928

Terra Cotta in Four Cities

AUSTRALIAN cities are responding to the demand for commodious and up-to-date buildings. In busy thoroughfares, the weather-beaten landmarks that have outlived their usefulness are making way for structures of modern character and impressive size.

Widespread Use of Terra Cotta.

This transition from the old to the new is providing generous opportunities for the employment of Wunderlich Terra Cotta. Already, numerous facades of rich architectural quality and colourful ceramic finish have appeared in Sydney, Melbourne, Adelaide and Hobart. Very soon, the trend will be apparent in Perth and Brisbane also, since important buildings in these two cities are now assuming their outward form in Wunderlich Terra Cotta. In this respect, our capitals are following the example of American Cities, wherein Architectural Terra Cotta to the extent of 37,697 tons was utilised in the first quarter of the present year, being an increase of 25 per cent. over the output for the same period during 1927.

Ideal Field for Terra Cotta.

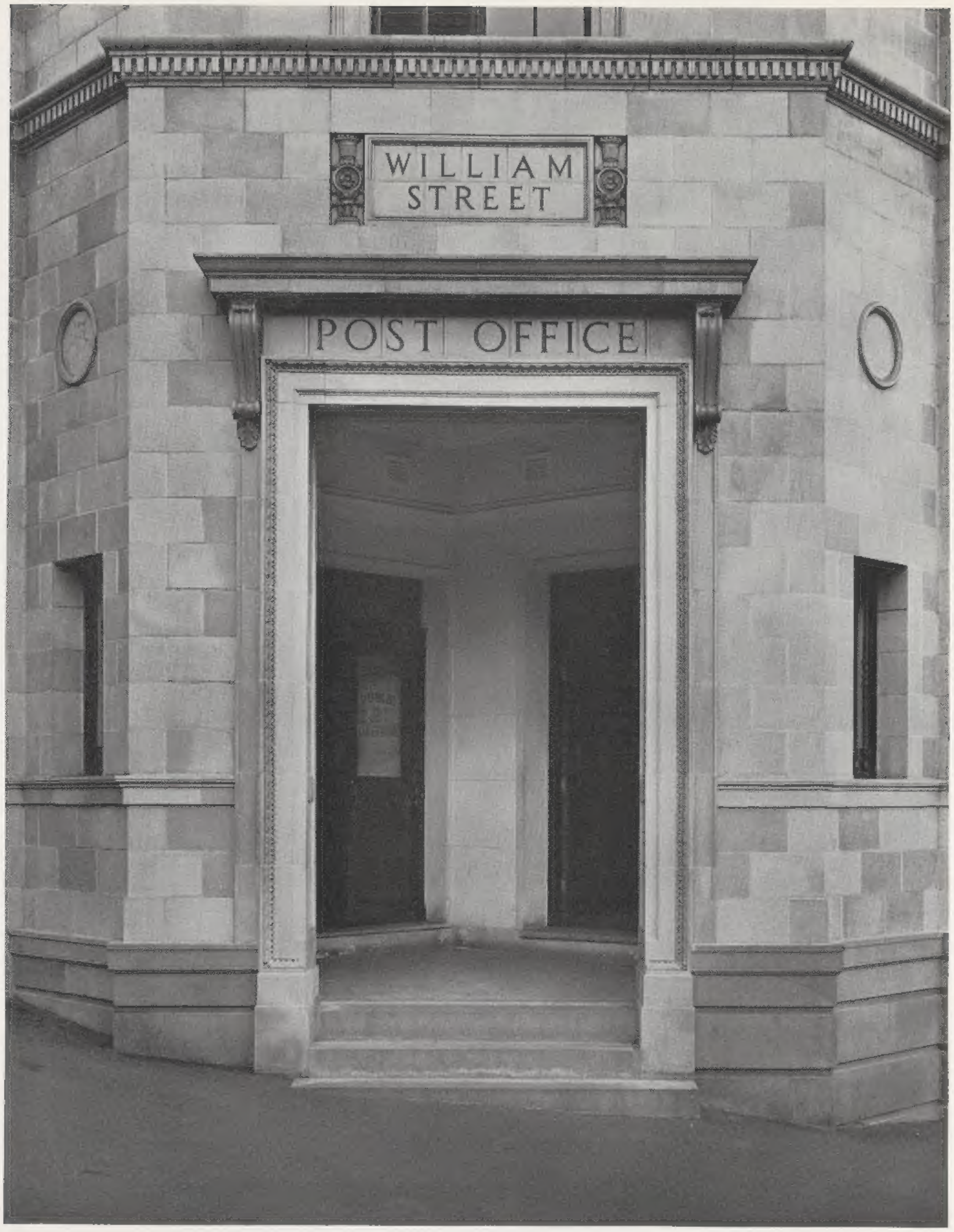
With the Wunderlich Terra Cotta industry firmly established in Sydney and Melbourne, thus ensuring supplies at reasonable cost, it was to be expected that the new "facing" medium would become a prominent feature of modern architectural achievement in the big cities of the Commonwealth. Tall buildings of immense scale that are erected to-day provide an ideal field for colour relief and decoration, such as Wunderlich Terra Cotta affords in unstinted measure. In the Australian climate particularly, where the clear light and bright sunshine serve to emphasise and enhance the beauty of colours, there is boundless scope for a material offering an unrestricted range of chromatic effects.

Distinctive Terra Cotta Treatments.

As the following pages reveal, the use of Wunderlich Terra Cotta in the capital cities has covered a variety of requirements. In the case of new buildings, the material has been chosen to give distinction to entire facades, or to add decorative interest to a facade consisting largely of another medium less distinguished in appearance. Results have more than fulfilled expectations, as is indicated by the fact that our most enthusiastic and regular clients are those architects who can point to personal work already completed in Terra Cotta. Where the material has been used in the remodelling of existing buildings, such as those illustrated on pages 11 and 18, it has worked wonders in giving new life and a modern note to the properties concerned.

Enlivening Influence of Terra Cotta.

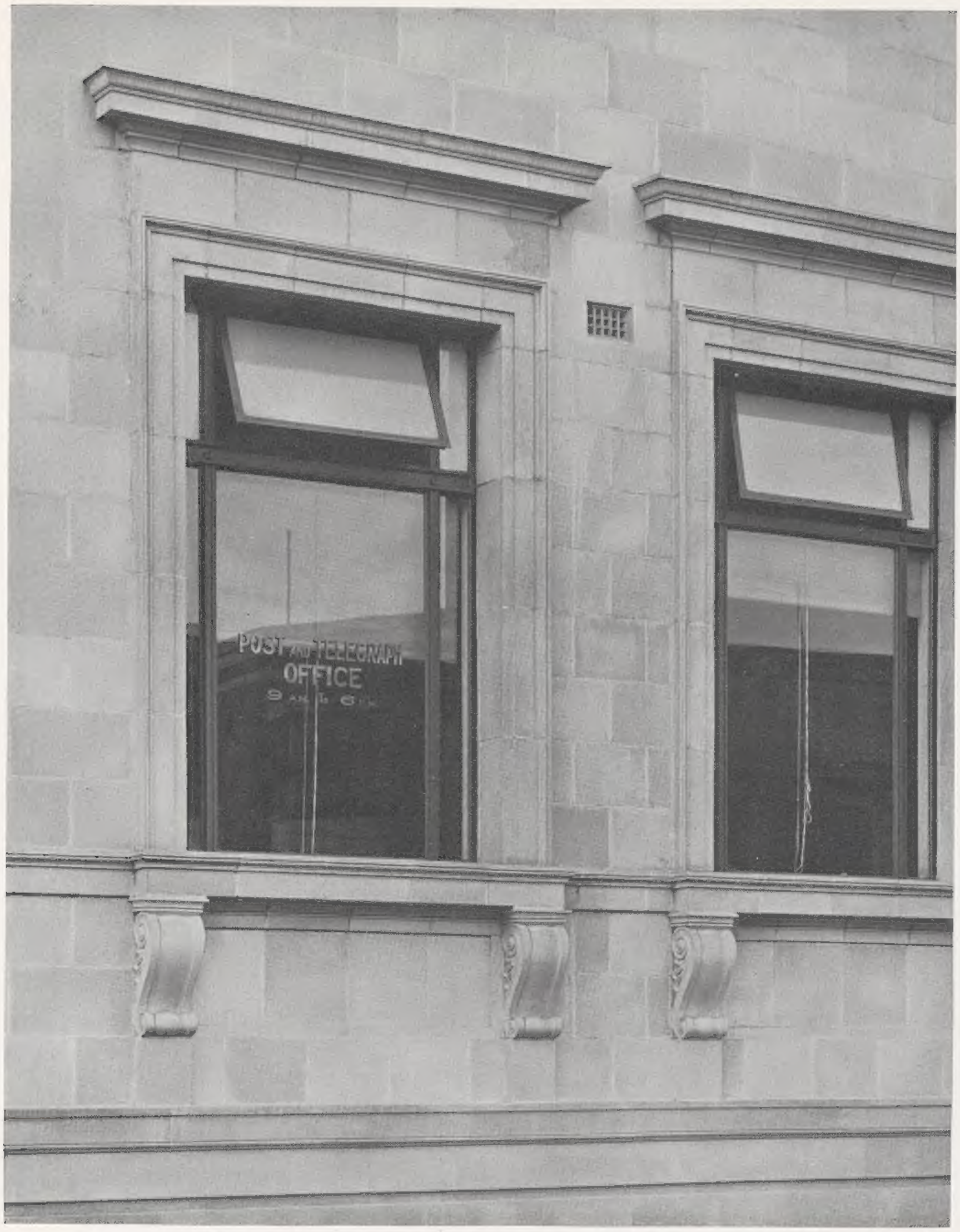
There cannot be any room for doubt that Australian cities will be the better and brighter for the advent of facades of Terra Cotta. With this material, a free rein is given to creative inspiration, since it is virtually without limitations as to form, colour and surface finish; so that architects have every inducement to exercise their genius for chromatic or modelled enrichment. In place of the shabbiness and gloom that mark the decline of perishable facades, there will gradually emerge a resplendence and warmth of inviting colour, and buildings of the future will be richer in those various forms of relief decoration which give the final grace to architectural composition. Most important of all, the architectural monuments clothed in Terra Cotta will maintain their pristine attractiveness for centuries, just as the glazed Terra Cottas of bygone days have come down to us in undiminished chasteness of form, colour and finish.



Department of Works and Railways, Architects. *G. Hogden, Contractor.*

Government Post Office, William Street, Sydney

Special importance attaches to the entrance of a public building, calling for particular merit in the design. Here the architect has excelled in an example of chaste classic character, rendered all the more interesting by the refined quality of the modelled detail and the distinctive surface finish so exclusively Terra Cotta.



Department of Works and Railways, Architects. *G. Hogden, Contractor.*

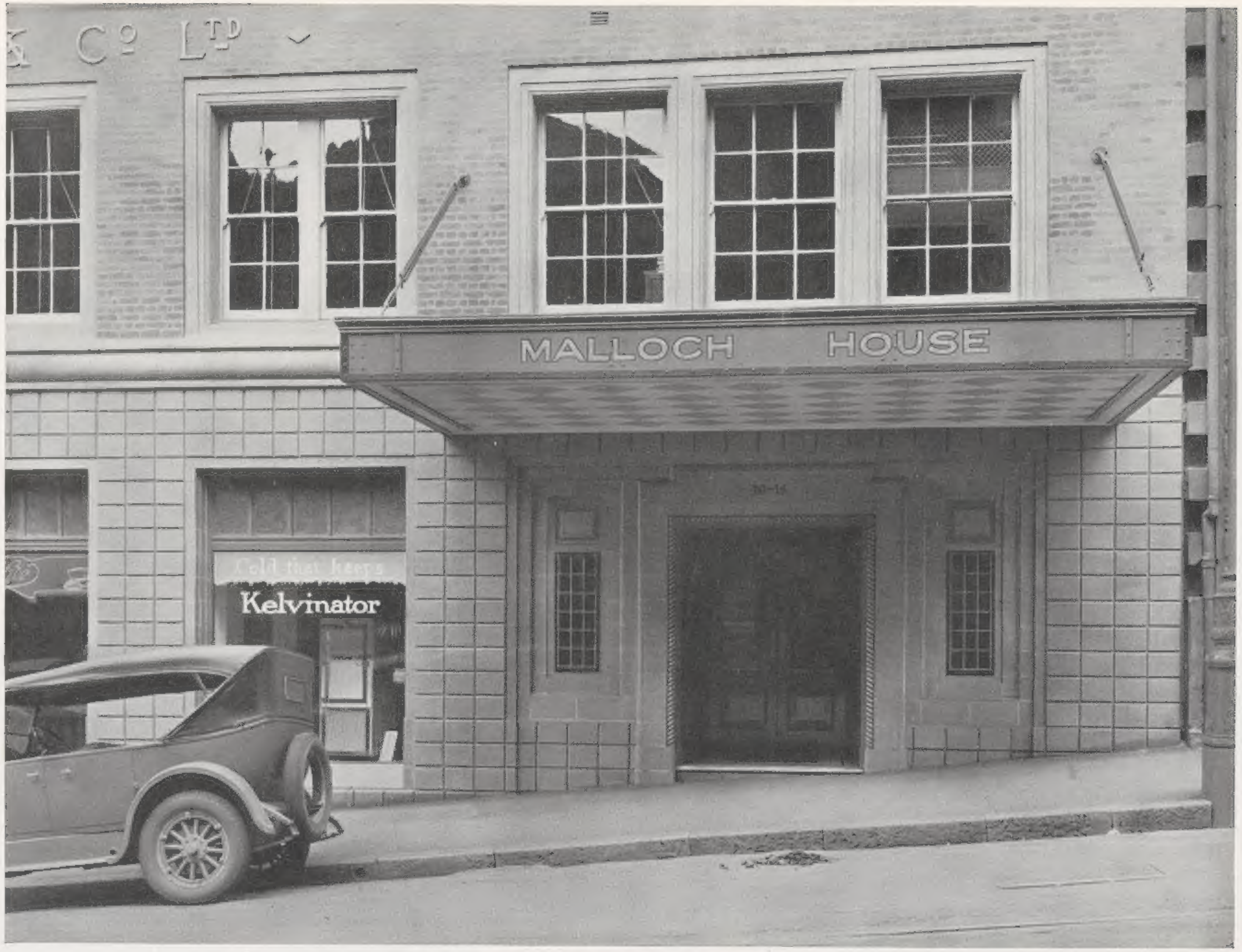
Government Post Office, William Street, Sydney

As this work evidences, Wunderlich Terra Cotta expresses plain, moulded or ornate surfaces with equal facility. Usually, when decorative detail recurs frequently in a facade design, marked economy can be effected by the employment of Terra Cotta.

H. E. Budden, Architect. *Williamson and McIntyre, Contractors.*

Malloch House, Young Street, Sydney

In this example, Wunderlich Terra Cotta, of a mottled grey-green shade, matt glazed, is introduced into the facade, to provide the finish up to the first floor level. The built metal letters on the facade are of Wunderlich manufacture, as is also the Art Metal Ceiling treatment to the underside of the awning.



H. E. Budden, Architect. *Williamson and McIntyre, Contractors.*

Malloch House, Young Street, Sydney

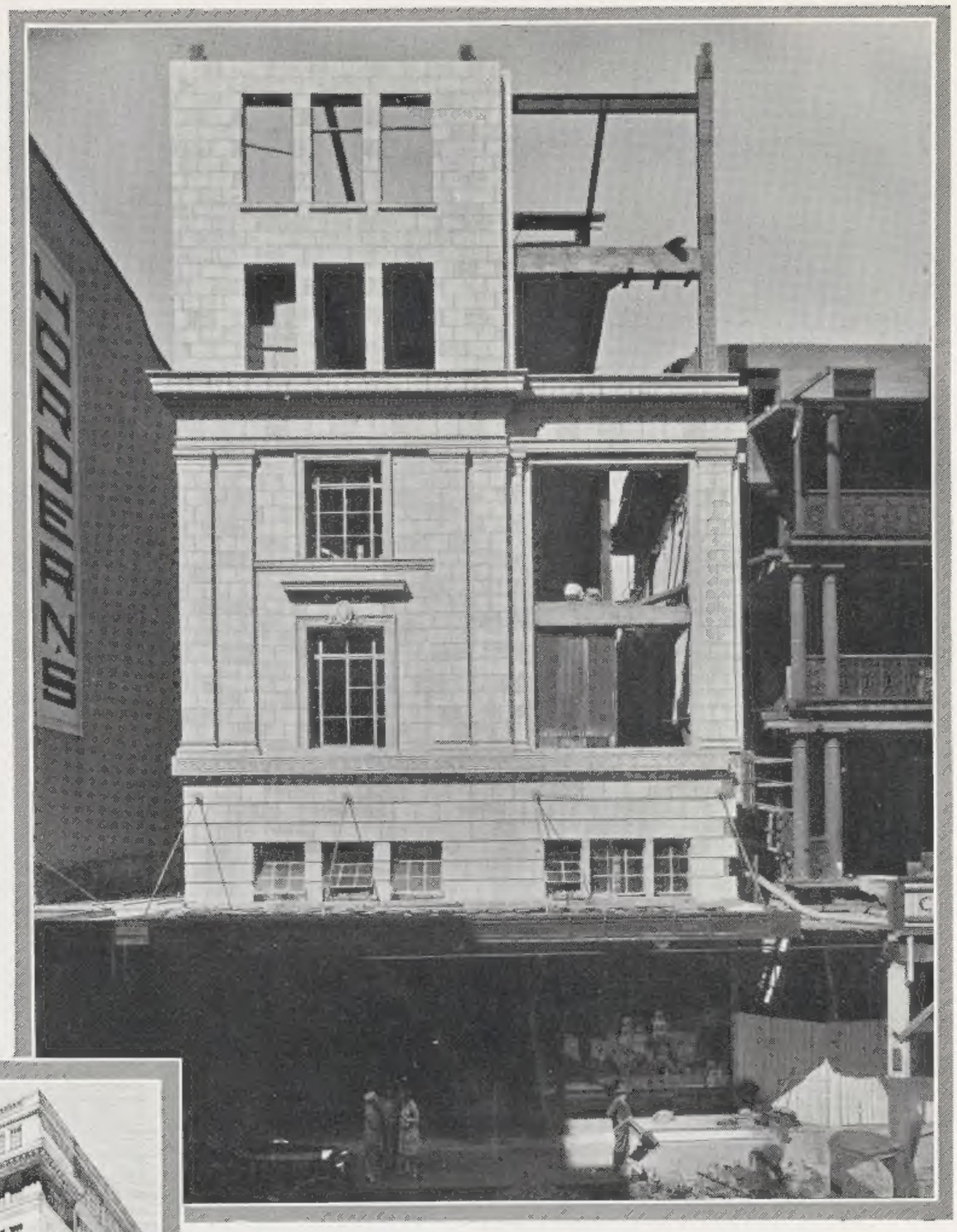
In a facade design such as this, embracing a combination of burned clay products—brick and Terra Cotta—the latter assumes, logically, the decorative function, because of its ready adaptability to form and its wide colour range. Textural interest is here achieved through the splaying of the edges of the square Terra Cotta blocks, but this feature is suppressed in the treatment of the entrance "facing," so that the design may secure due dominance.

Dymock's Book Arcade
George Street,
Sydney.

F. H. B. Wilton, Architect.

Beat Bros., Ltd., Contractors.

Finish: Matt glazed Terra Cotta, granite texture, of a dark grey colour.



AS an income-producing investment, this building externally, gives promise of being a success. Its "facing" of Wunderlich Terra Cotta possesses the architectural quality and distinctive chromatic interest which will arrest the notice of tenants. When completed, the facade will gain additional richness through a decorative treatment with Wunderlich bronze panels under the windows in the centre bays. In its present stage of incompleteness the building evidences how submissive is Terra Cotta to varying constructional necessities. With building operations suspended, the Terra Cotta can remain exposed to wind and weather, without the least possibility that its stability will be affected, or its substance impaired. When this facade is finally completed, the new work will be indistinguishable from the old, because the glazed Terra Cotta surface is an abiding finish, virtually indifferent to the degrading influence of a city atmosphere.

Commonwealth Hotel

George and Market Streets.

Prevost, Synnot & Ruwald, Architects.

A. R. Hinwood, Contractor.

Finish: Redish granite texture, with touches of polychrome in the ornamental details.

TERRA COTTA, in its most effective and pleasing application, is relied on to give this building a definite individuality, and the effect attained speaks eloquently for the medium chosen. The general Terra Cotta finish a redish colour, spattered with black and white spots—is in itself unusually pleasing, but this impression is decidedly enhanced by the artistic perfection of the cleverly conceived decorative motives, which make a compelling appeal because of a generous and enterprising use of colour. The centre of the shell ornaments is of sage green glaze, shading through indigo to an emerald green at the extremities of the folds; with a grey-pink in the depths of the ornament. The paterae are of red granite texture, changing to emerald green in the recessed portion of the detail. A festive note pervades this colourful facade singularly in harmony with the purpose for which the building was erected.

E. A. Scott and Green, Architects. *Max Cooper, Contractor.*

Sun Insurance Office, Bridge Street, Sydney

Above the plinth, and up to the second floor level, the finish of this building is Wunderlich Terra Cotta, of a warm brown granite texture. Incised lettering of a golden yellow colour appears in the frieze. The facade is an example of the successful combination of Terra Cotta and another material where a restricted schedule of cost has rendered impracticable an entire exterior of Terra Cotta.

Bates, Smart and McCutcheon, Architects. *Perrier and Co., Contractors*

Entrance Doorway, Davies Doery Pty. Ltd., Flinders Lane, Melbourne

The fluent plasticity of Wunderlich Terra Cotta and its fertile palette of charming colours are skilfully exploited in this faithful adaptation of Italian precedent. The dominating colour is yellow, emphasized by a background of olive green in the architrave. Additional colour interest is derived from the introduction of honey-brown, sparingly applied in the detail of the ornament

A colour illustration of this entrance appears on the cover of this publication.

Peck and Kemter, Architects. Clements, Langford Pty. Ltd., Contractors.

Bankers' and Traders' Building, Collins Street, Melbourne

Above the ground floor, the "facing" of this building is Wunderlich Terra Cotta, matt glazed, of green and black mottled appearance. Premises of such restricted frontage, flanked by other buildings, have especial need of the richness and distinction which Wunderlich Terra Cotta can provide.

For fixing details relating to portion of this treatment, see page 22.

Peck and Kemter, Architects. *Clements, Langford Pty. Ltd., Contractors*

Bankers' and Traders' Building, Collins Street, Melbourne

Amongst the numerous clients who are enthusiastic concerning their choice of Wunderlich Terra Cotta, are the architects of the Bankers' and Traders' Building, who wrote:—"We wish you would accept an expression of satisfaction for work carried out by you to the facade of this building. . . . The quality of the Terra Cotta merits our complete satisfaction, while the glaze and colour asked for have been produced to our requirement. The fixing has been carried through without hitch."

H. W. and F. B. Tompkins, Architects. *A Douglas, Contractor.*

National Bank of Australasia Ltd., Geelong

Banking premises figure prominently in the record of buildings faced with Wunderlich Terra Cotta, and this example is conspicuously successful in the effect attained. The finish is a light, spotted granite texture (matt surface) extending from the base course to the column capitals. Other items of Wunderlich manufacture are the bronze-covered doors, bronze name panels over entrances, lettering to the entablature, and panels under windows; also bronze capitals to all columns.

H. W. and F. B. Tompkins, Architects. *A. Douglas, Contractor.*

National Bank of Australasia Ltd., Geelong

The exterior of a banking premises has a mission to perform—it should bespeak dignity, stability, and affluence. In accomplishing this with Terra Cotta and Bronze, the architects have created a monument that will fulfil its function permanently—undimmed by the corroding influences of Time or Weather.

R M. and M. H. King, Architects. *A. Douglas, Contractor.*

Kurrajong House, Collins Street, Melbourne

Where the amount available for a new building is rigidly circumscribed, Wunderlich Terra Cotta becomes an economic factor in achieving architectural interest, through its capacity to combine successfully with any other material, in the treatment of the facade. Here the facing up to the second floor level is Wunderlich Terra Cotta, of a matt glazed granite texture, grey-pink in colour.

R. M. and M. H. King, Architects. *A. Douglas, Contractor.*

Kurrajong House, Collins Street, Melbourne

Being made hollow, Wunderlich Terra Cotta lacks the dead-weight of other "facing" mediums—consequently, it is ideally suitable for projecting features. When used in conjunction with concrete, it is secured by means of wires and rods embedded in the latter; but where the backing is of brick, the Terra Cotta blocks can be bonded in as the brickwork proceeds.

Wunderlich Terra Cotta to Ground Floor Piers and Entrances, His Majesty's Theatre, Melbourne.

A. H. Walkley *Architect*

His Majesty's Theatre, Exhibition Street, Melbourne

Here is a striking instance of the value of Wunderlich Terra Cotta in beautifying and modernising an existing building. Of a rich brown shade, spotted white, the Terra Cotta has a glossy glazed finish, possessing particular resplendence at night under the glimmer of the awning lights. A theatre front of such unique character is a strong factor in kindling the interest of passers-by.

Woods, Bagot, Jory and Laybourne Smith, Architects. *J. King and Son, Contractors.*

Metters' Building, North Terrace, Adelaide

Imagine the attention-compelling value of this building, immaculate always in its glazed exterior finish of cream-coloured Wunderlich Terra Cotta. The economy of the treatment is manifest in the design, which permits of frequent repetition of individual units. In Terra Cotta, these units of similar size and design are pressed from the one mould, revealing a considerable saving as compared with hand-carving. An interesting touch of colour is provided by the lettering in the facade, carried out in Wunderlich Terra Cotta of a dark green glaze.

Glaskin and Ricards, Architects. *W. Cooper and Sons, Contractors.*

Bursary House, Hobart

Bursary House is the first building in Tasmania to be faced with Wunderlich Terra Cotta, the finish being grey granite texture, matt glazed. The investment value of these premises is enhanced by the refined and cleanly appearance of the Terra Cotta exterior, which marks the building as up-to-date and becomes an important element in attracting tenants.

Glaskin and Ricards, Architects. *W. Cooper & Sons, Contractors*

Bursary House, Hobart

In Wunderlich Terra Cotta, the architect possesses a medium offering unlimited resources for achieving original and impressive effects in facade design. It permits of a liberal display of enrichment, since identical units are reproduced, without loss of artistic merit, from the one mould.

For drawings relating to the balconette shown in the above illustration, turn to page 23.

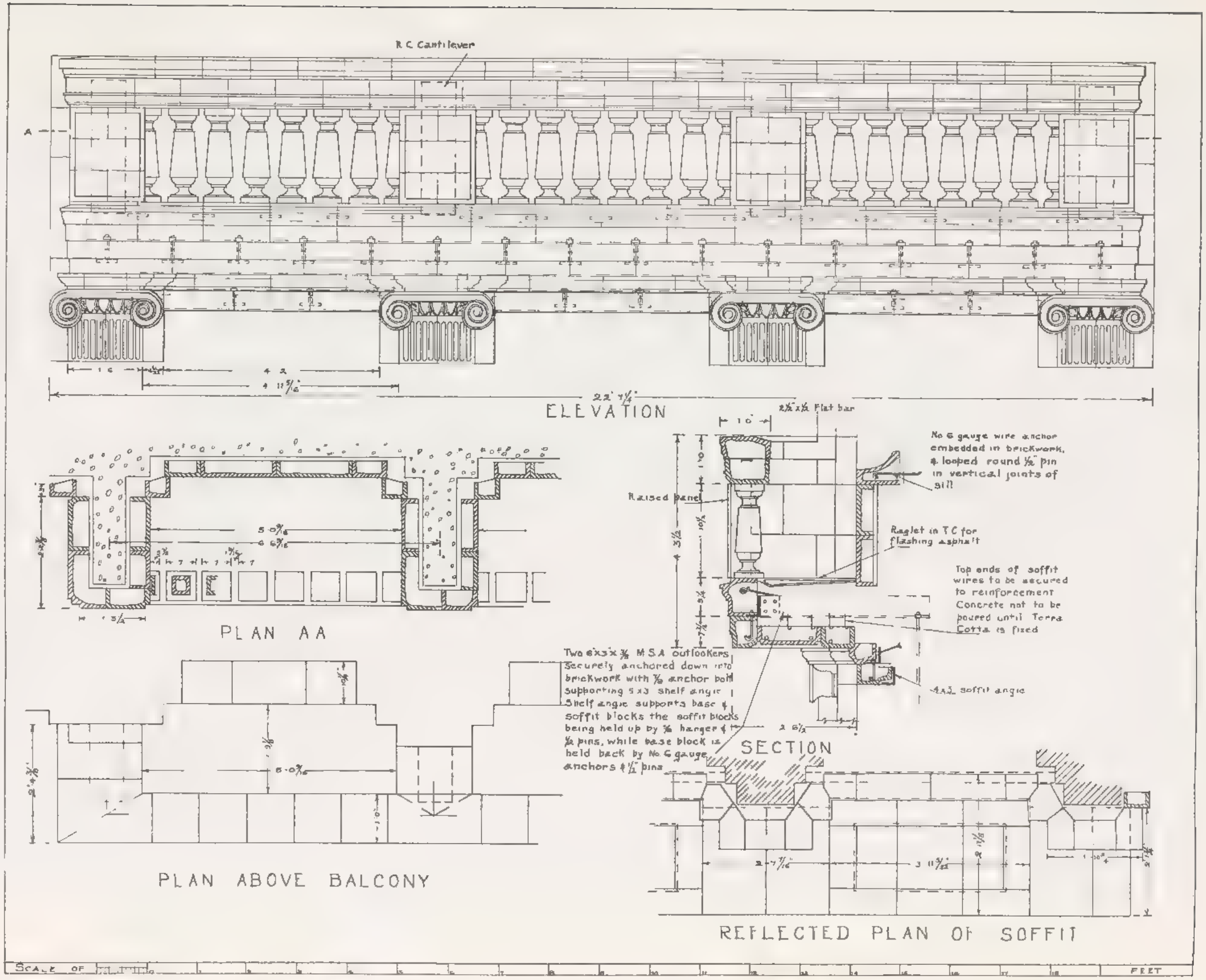
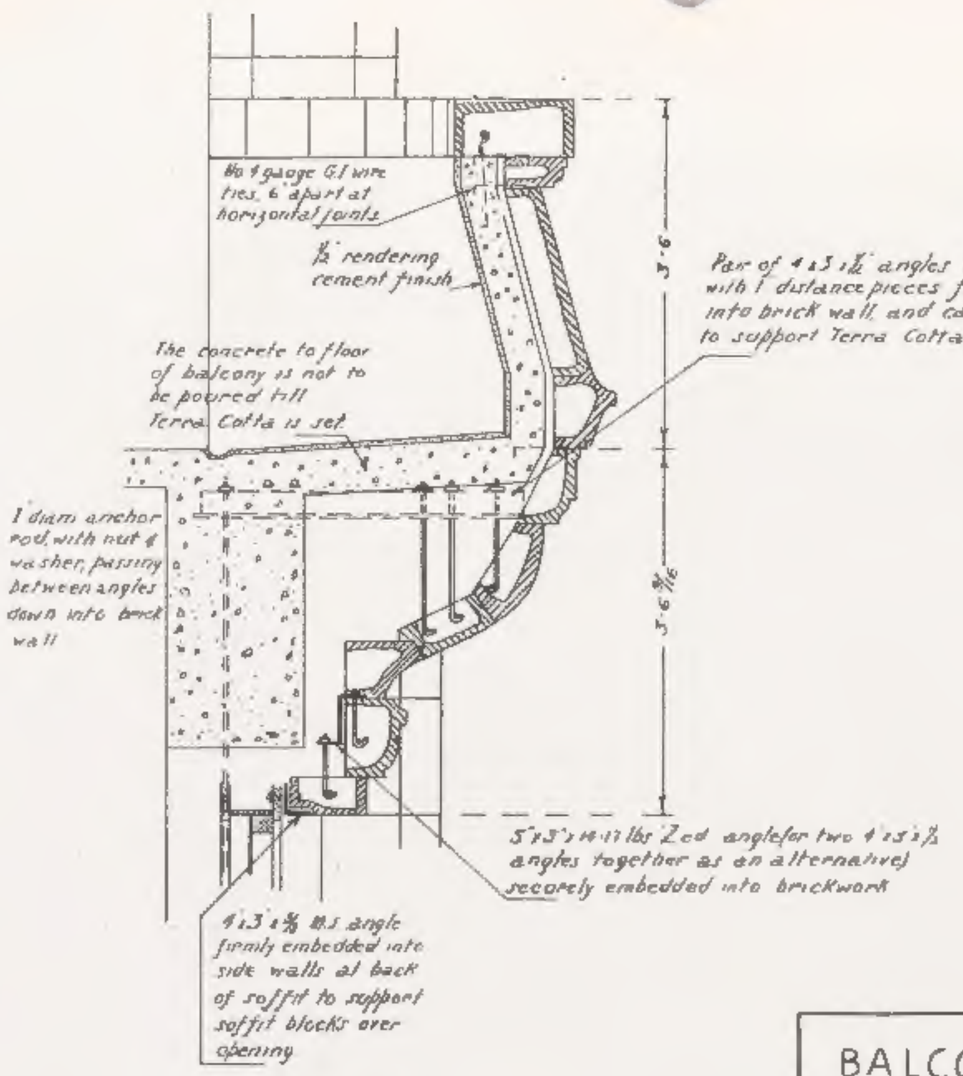

R.C. Cantilever
A
1 6
4 2
4 11 3/16
22' 7 1/2"
ELEVATION
5-0 3/16
6 6 3/16
PLAN AA
5-0 3/16
PLAN ABOVE BALCONY
2 1/2 x 1/2 Flat bar
No 6 gauge wire anchor embedded in brickwork, & looped round 1/2" pin in vertical joints of sill
Raised panel
Raglet in T C for flashing asphalt
Top ends of soffit wires to be secured to reinforcement Concrete not to be poured until Terra Cotta is fixed
Two 6 x 3 x 1/4 M S A outlookers Securely anchored down into brickwork with 1/2 anchor bolt supporting 5 x 3 shelf angle Shelf angle supports base & soffit blocks the soffit blocks being held up by 1/2 hanger & 1/2 pins, while base block is held back by No 6 gauge anchors & 1/2" pins
4 x 3 soffit angle
SECTION
REFLECTED PLAN OF SOFFIT
SCALE OF FEET

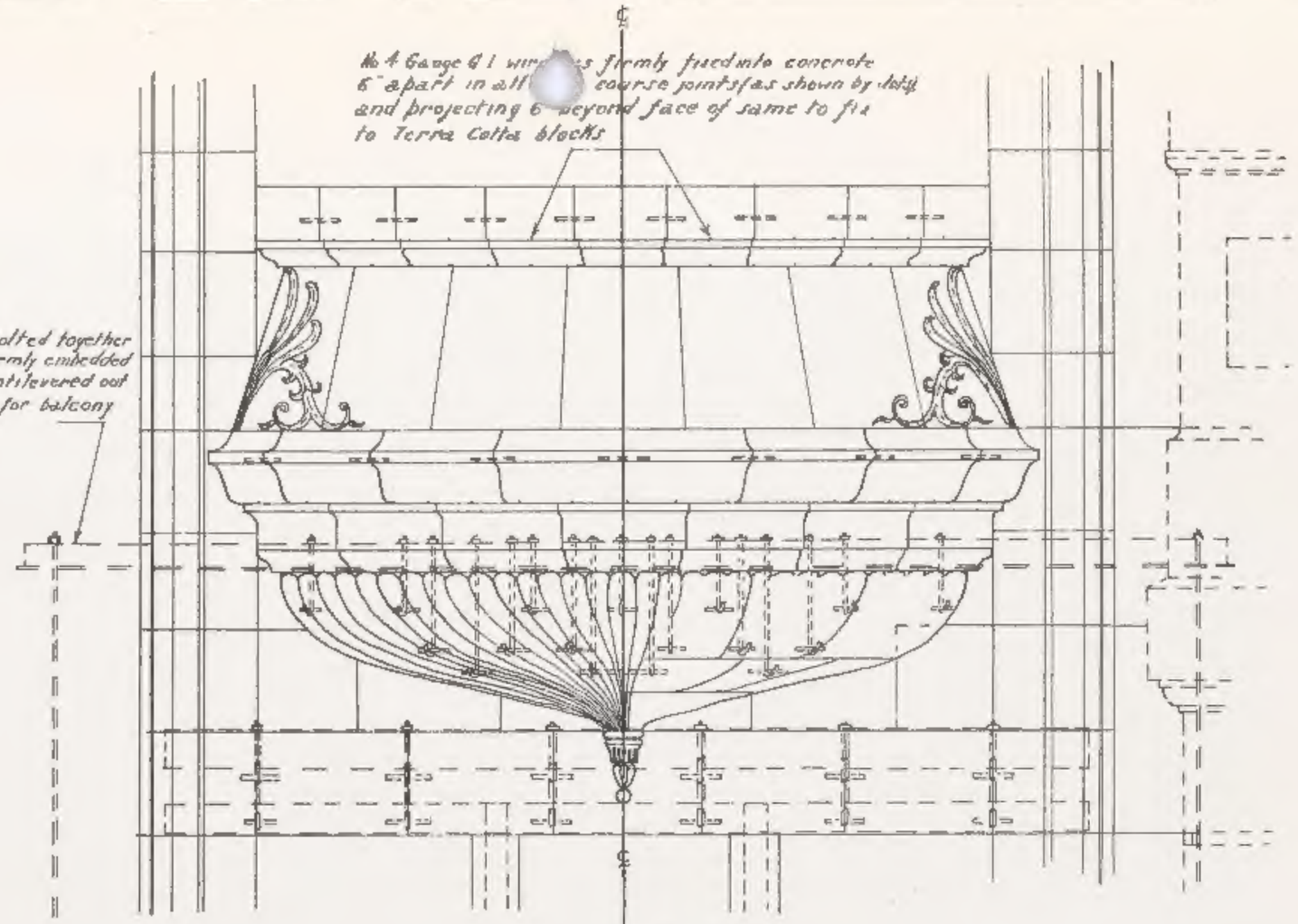
Plate 6.

Fixing Details, Bankers' and Traders' Building, Collins Street, Melbourne.

Wunderlich Terra Cotta


No 4 gauge GI wire ties, 6" apart at horizontal joints
½" rendering cement finish
The concrete to floor of balcony is not to be poured till Terra Cotta is set
1" diam anchor rod, with nut & washer, passing between angles down into brick wall
Pair of 4 x 3 x ⅜" angles bolted together with 1" distance pieces firmly embedded into brick wall and cantilevered out to support Terra Cotta for balcony
3'-6"
3'-6⅜"
5"x3"x11 lbs Zed angle for two 4"x3"x⅜" angles together as an alternative) securely embedded into brickwork
4"x3"x⅜" M.S. angle firmly embedded into side walls at back of soffit to support soffit blocks over opening

SECTION ON ℄


No 4 Gauge G I wires firmly fixed into concrete 6" apart in all course joints as shown by dots and projecting 6" beyond face of same to fix to Terra Cotta blocks

ELEVATION

BALCONY FRONT TO BURSARY HOUSE HOBART, TASMANIA

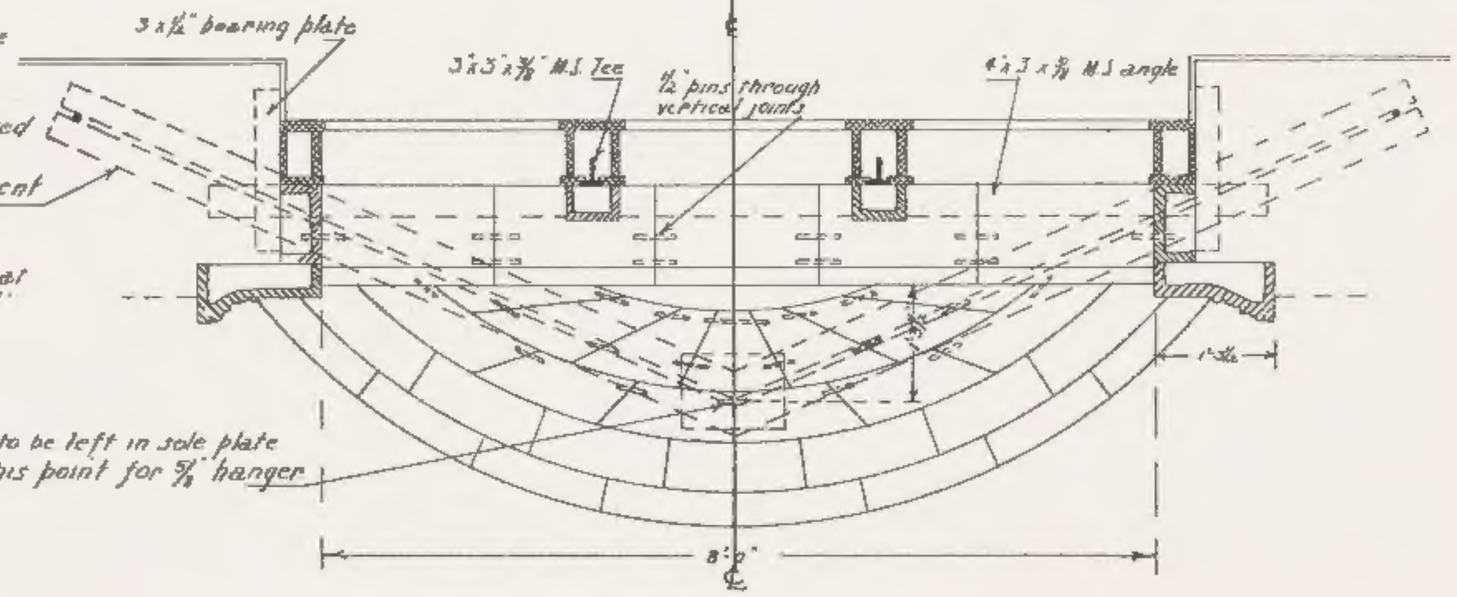
SCALE OF FEET

0 1 2 3 4 5

Pairs of 4 x 3 x ½" angles to carry ⅝ hangers & ½" pins supporting Terra Cotta, bolted together with 1" distance pieces firmly embedded into brickwork at the abutments and anchored down with 1" diameter rod passing between angles & down into wall. Angles rivetted to ½" sole plate under the joint at the centre & supported on 3"x½" bearing plates at each abutment

Cantilevered angles to be rivetted over ½" sole plate at centre, set at 130° angle and laid in position at 1'3½" from Terra Cotta face to centre between angles

Note:- All radial joints on soffit are not struck normal to the curve, but radiate to the wall face at centre of oriel

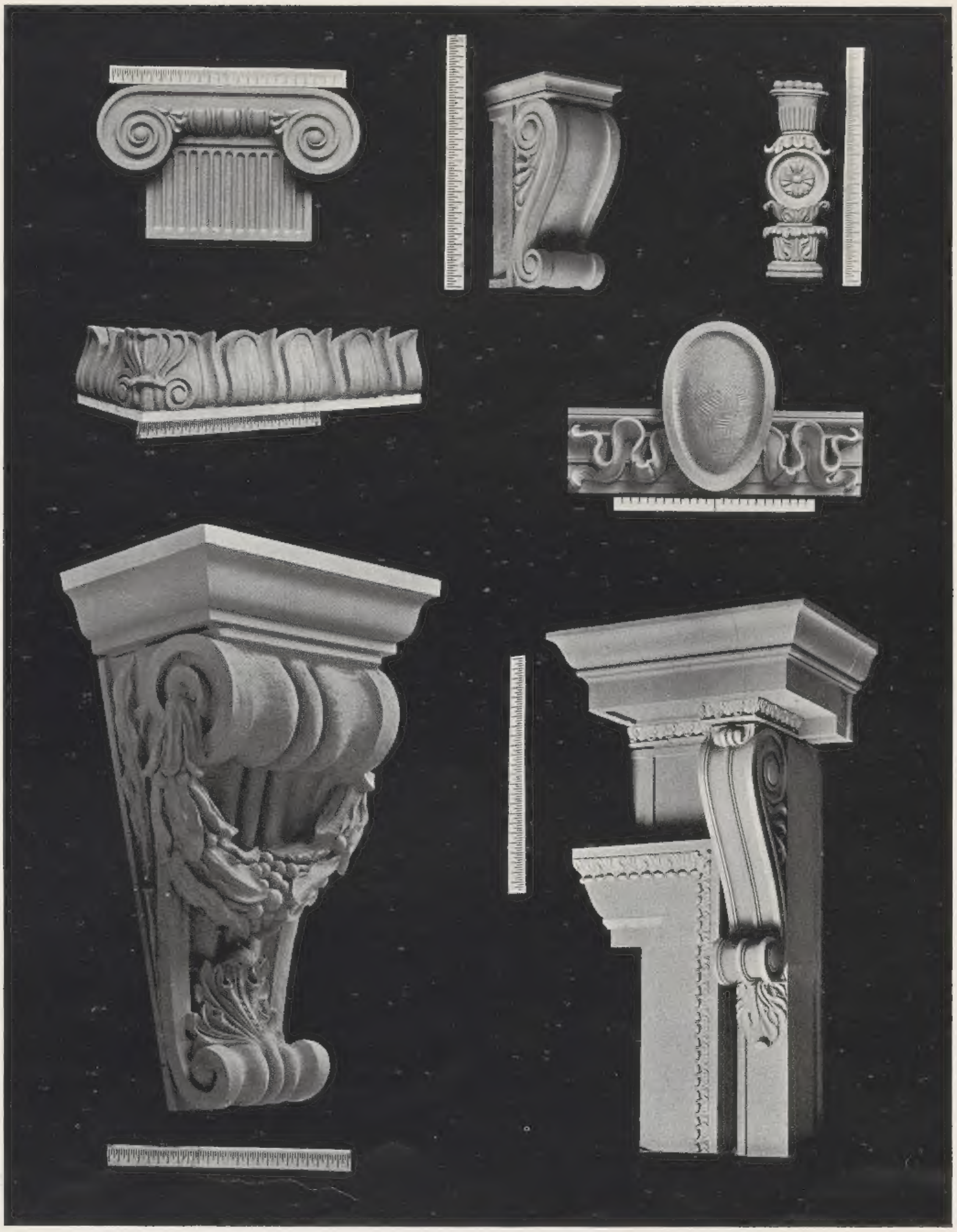

3 x ½" bearing plate
3"x3"x⅜" M.S. Tee
½" pins through vertical joints
4"x3"x⅜" M.S. angle
Hole to be left in sole plate at this point for ⅝" hanger
8'-0"

REFLECTED PLAN OF SOFFITS

Plate 7.

Wunderlich Terra Cotta.

Fixing Details, Bursary House, Hobart.



Wunderlich Terra Cotta Modelling

No matter how intricate a design may be, Wunderlich Terra Cotta can be depended upon to express it truthfully—with utmost fidelity of line and finish. The fluent plasticity of Terra Cotta permits of a spirit and virility in modelled detail that can seldom be equalled in laboriously-wrought stone or marble.

Webdale, Shoosmith Ltd. Print, Sydney.